

REMARKS

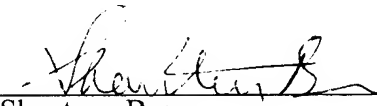
The specification has been amended to add and/or correct SEQ ID NOS. and to include reference to the Sequence Listing being submitted on compact discs. No new matter has been added.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with markings to show changes made".

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing docket no. 529452500124.

Respectfully submitted,

Dated: August 15, 2002

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Specification:

Please add the following paragraph on page 1 before the "Field of the Invention" section:

Sequence Listing

The Sequence Listing (containing SEQ ID NOS:1-241) is submitted in accordance with 37 CFR §§ 1.821-1.825 and §§1.52(e) and 1.96(c) on three compact discs labeled "Computer Readable Form (CRF)", "Copy 1" and "Copy 2", the contents of which are the same and are expressly incorporated herein by reference. The file name is A71087.ST25.txt, contains 6,245,264 bytes, and was recorded on July 3, 2002.

Please replace the paragraph on page 9, starting at line 11 with the following:

The extracellular domains of transmembrane proteins are diverse; however, conserved motifs are found repeatedly among various extracellular domains. Conserved structure and/or functions have been ascribed to different extracellular motifs. For example, cytokine receptors are characterized by a cluster of cysteines and a WSXWS (SEQ ID NO:241) (W=tryptophan, S=serine, X=any amino acid) motif. Immunoglobulin-like domains are highly conserved. Mucin-like domains may be involved in cell adhesion and leucine-rich repeats participate in protein-protein interactions.

Please amend the specification by replacing Tables 35-40, starting on page 47, line 36 through page 48, line 35 with the following:

Table 35 (mouse gene: Nupr1); human gene hCG1745228

Mouse genomic sequence (SEQ ID NO: 205)

Mouse mRNA sequence (SEQ ID NO: 206)

Mouse coding sequence (SEQ ID NO: 207)

Human genomic sequence (SEQ ID NO:208)

Human mRNA sequence (SEQ ID NO:209)

Human coding sequence (SEQ ID NO:210)

Table 36 (mouse gene: Zfhx1b; human gene ZFHX1B)

Mouse genomic sequence (~~SEQ ID NO: 208~~) (SEQ ID NO: 211)

Mouse mRNA sequence (~~SEQ ID NO: 209~~) (SEQ ID NO: 212)

Mouse coding sequence (~~SEQ ID NO: 210~~) (SEQ ID NO: 213)

Human genomic sequence (~~SEQ ID NO: 211~~) (SEQ ID NO: 214)

Human mRNA sequence (~~SEQ ID NO: 212~~) (SEQ ID NO: 215)

Human coding sequence (~~SEQ ID NO: 213~~) (SEQ ID NO: 216)

Table 37 (mouse gene: Vdac1; human gene VDAC1)

Mouse genomic sequence (~~SEQ ID NO: 214~~) (SEQ ID NO: 217)

Mouse mRNA sequence (~~SEQ ID NO: 215~~) (SEQ ID NO: 218)

Mouse coding sequence (~~SEQ ID NO: 216~~) (SEQ ID NO: 219)

Human genomic sequence (~~SEQ ID NO: 217~~) (SEQ ID NO: 220)

Human mRNA sequence (~~SEQ ID NO: 218~~) (SEQ ID NO: 221)

Human coding sequence (~~SEQ ID NO: 219~~) (SEQ ID NO: 222)

Table 38 (mouse gene: Nfatc1; human gene NFATC1)

Mouse genomic sequence (~~SEQ ID NO: 220~~) (SEQ ID NO: 223)

Mouse mRNA sequence (~~SEQ ID NO: 221~~) (SEQ ID NO: 224)

Mouse coding sequence (~~SEQ ID NO: 222~~) (SEQ ID NO: 225)

Human genomic sequence (~~SEQ ID NO: 223~~) (SEQ ID NO: 226)

Human mRNA sequence (~~SEQ ID NO: 224~~) (SEQ ID NO: 227)

Human coding sequence (~~SEQ ID NO: 225~~) (SEQ ID NO: 228)

Table 39 (mouse gene: Syk; human gene SYK)

Mouse genomic sequence (~~SEQ ID NO: 226~~) (SEQ ID NO: 229)

Mouse mRNA sequence (~~SEQ ID NO: 227~~) (SEQ ID NO: 230)

Mouse coding sequence (~~SEQ ID NO: 228~~) (SEQ ID NO: 231)

Human genomic sequence (~~SEQ ID NO: 229~~) (SEQ ID NO: 232)

Human mRNA sequence (~~SEQ ID NO: 230~~) (SEQ ID NO: 233)

Human coding sequence (~~SEQ ID NO: 231~~) (SEQ ID NO: 234)

Table 40 (mouse gene: Gnb1; human gene GNB1)

Mouse genomic sequence (~~SEQ ID NO: 232~~) (SEQ ID NO: 235)

Mouse mRNA sequence (~~SEQ ID NO: 232~~) (SEQ ID NO: 236)

Mouse coding sequence (~~SEQ ID NO: 234~~) (SEQ ID NO: 237)

Human genomic sequence (~~SEQ ID NO: 235~~) (SEQ ID NO: 238)

Human mRNA sequence (~~SEQ ID NO: 236~~) (SEQ ID NO: 239)

Human coding sequence (~~SEQ ID NO: 237~~) (SEQ ID NO: 240).